

Laboratory	Aquadiagnostics Water Research and Technology Center Limited, No. 57, Omshakthi Complex, 1st Floor, GB Palya, Hosur Main Road, Bangalore, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	12.01.2015
Certificate Number	T-0913	Valid Until	11.01.2017
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	WATER			
1.	Potable Water/ Domestic Water & Packaged Drinking Water	Colour	IS 3025 (Part 4): 1983 (RA 2003) APHA (22 nd Edition) 2120 B:2012	5 Hazen to 75 Hazen
		Odour	IS 3025 (Part 5): 1983 (RA 1996)	Qualitative
		Turbidity NTU	IS 3025 (Part 10): 1984 (RA 1996) APHA (22 nd Edition) 2130 B:2012	1 NTU to 100 NTU
		pH	IS 3025 (Part 11): 1983 (RA 1996) APHA (22 nd Edition) 4500 H ⁺ B:2012	4 to 14
		Total Hardness as CaCO ₃	IS 3025 (Part 21): 1983 (RA 2002) APHA (22 nd Edition) 2340 C:2012	10 mg/L to 1000 mg/L
		Iron as Fe	IS 3025 (Part 53): 2003 APHA (22 nd Edition) 3500 Fe B:2012	0.1 mg/L to 1000 mg/L
		Chloride as Cl	IS 3025 (Part 32): 1988 (RA 1999) APHA (22 nd Edition) 4500 Cl B:2012	10 mg/L to 1000 mg/L
		Residual Free Chlorine as Cl ₂	IS 3025 (Part 26): 1986 (RA 1998) APHA (22 nd Edition) 4500 Cl G / F:2012	0.1 mg/L to 5 mg/L

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	Potable Water/ Domestic Water & Packaged Drinking Water	Fluoride as F	IS 3025 (Part 60): 2008 APHA (22 nd Edition) 4500 F D:2012	0.1 mg/L to 15 mg/L
		Total Dissolved Solids	IS 3025 (Part 16): 1984 (RA 2002) APHA (22 nd Edition) 2540 C:2012	10 mg/L to 10000 mg/L
		Calcium as Ca	IS 3025 (Part 40): 1991(RA 2003) APHA (22 nd Edition) 3500 Ca B:2012	10 mg/L to 1000 mg/L
		Magnesium as Mg	IS 3025 (Part 46): 1994 (RA 2003) APHA (22 nd Edition) 3500Mg B:2012	10 mg/L to 1000 mg/L
		Copper as Cu	IS 3025 (Part 42): 1992 (RA 1998) APHA (22 nd Edition) 3113 B/ 3111 C:2012	5 µg/L to 1000 µg/L
		Manganese as Mn	IS 3025 (Part 59): 2006 APHA (22 nd Edition) 3113 B/ 3111 C:2012	5 µg/L to 1000 µg/L
		Sulphate as SO ₄	IS 3025 (Part 24): 1986 (RA 1998) APHA (22 nd Edition) 4500 SO ₄ E:2012	5 mg/L to 1000 mg/L
		Sulphide as H ₂ S	IS 3025 (Part 29): 1986 (RA 1998) APHA (22 nd Edition) 4500 S ²⁻ F:2012	0.05 mg/L to 10 mg/L

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	Potable Water/ Domestic Water & Packaged Drinking Water	Nitrate as NO ₃	IS 3025 (Part 34): 1988 (RA 2003) APHA (22 nd Edition) 4500 NO ₃ B:2012	5 mg/L to 100 mg/L
		Nitrite as NO ₂	IS 3025 (Part 34): 1988 (RA 2003) APHA (22 nd Edition) 4500 NO ₂ B:2012	0.1 mg/L to 50 mg/L
		Phenolic Compounds as C ₆ H ₅ OH	IS 3025 (Part 43): 1992 (RA 1998) APHA (22 nd Edition) 5530 C:2012	0.1 mg/L to 1.0 mg/L
		Mercury as Hg	IS 3025 (Part 48): 1994 (RA 1999) APHA (22 nd Edition) 3112 B:2012	1 µg/L to 1000 µg/L
		Cadmium as Cd	IS 3025 (Part 41): 1992 (RA 1998) APHA (22 nd Edition) 3113 B/ 3111 C:2012	2 µg/L to 1000 µg/L
		Selenium as Se	IS 3025 (Part 56): 2003 APHA (22 nd Edition) 3113B/ 3111 C:2012	5 µg/L to 1000 µg/L
		Arsenic as As	IS 3025 (Part 37): 1988 (RA 2003) APHA (22 nd Edition) 3113 B / 3111 C:2012	5 µg/L to 1000 µg/L

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	Potable Water/ Domestic Water & Packaged Drinking Water	Cyanide as CN	IS 3025 (Part 27): 1986 (RA 1998) APHA (22 nd Edition) 4500 CN D, CN E:2012	0.05 mg/L to 5 mg/L
		Lead as Pb	IS 3025 (Part 47): 1994 (RA 2003) APHA (22 nd Edition) 3113 B / 3111 C:2012	5 µg/L to 1000 µg/L
		Zinc as Zn	IS 3025 (Part 49): 1994 (RA 1999) APHA (22 nd Edition) 3113 B/ 3111 C:2012	0.005 mg/L to 5.0 mg/L
		Silver as Ag	IS 13428: 2005 Annexure J APHA (22 nd Edition) 3113 B/ 3111 C:2012	5 µg/L to 1000 µg/L
		Barium as Ba	IS 13428: 2005 Annexure F IS 15302 APHA (22 nd Edition) 3113B / 3111 C:2012	5 µg/L to 1000 µg/L
		Antimony as Sb	IS 13428: 2005 Annexure G IS 15303: 2003 APHA (22 nd Edition) 3113 B/ 3111 C:2012	5 µg/L to 1000 µg/L
		Nickel as Ni	IS 13428: 2005 Annexure L APHA (22 nd Edition) 3113 B/ 3111 C:2012	5 µg/L to 1000 µg/L

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	Potable Water/ Domestic Water & Packaged Drinking Water	Sodium as Na	IS 3025 (Part 45): 1993 (RA 1999) APHA (22 nd Edition) 3500 Na B:2012	10 mg/L to 1000 mg/L
		Anionic Surface Active Agents as MBAs	IS 13428: 2005 Annexure K APHA (22 nd Edition) 5540 C:2012	0.05 mg/L to 10 mg/L
		Chromium Total as Cr	IS 13428: 2005 Annexure J APHA (22 nd Edition) 3113 B /3111 C:2012	5 µg/L to 1000 µg/L
		Total Alkalinity as CaCO ₃	IS 3025 (Part 23): 1986 (RA 1998) APHA (22 nd Edition) 2320 B:2012	10 mg/L to 1000 mg/L
		Aluminium as Al	IS 3025 (Part 55): 2003 IS 15302: 2003 APHA (22 nd Edition) 3113 B/ 3113 C:2012	5 µg/L to 1000 µg/L
		Boron as B	IS 13428: 2005 Annexure H APHA (22 nd Edition) 4500 BC & BB:2012	0.1 mg/L to 10.0 mg/L

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***NOTE:** The Laboratory has demonstrated competence for the stated scope for **WATER**. This however does not fully cover the specification requirements of **BIS for the Packaged Drinking Water as per IS:14543 and the Packaged Natural Mineral Water as per IS:13428.**

Deepak Kumar Sharma
Convenor

N. Venkateswaran
Program Manager